

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

**BLACK BORDERS**

- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning documents *will not* correct images,  
please do not report the images to the  
Image Problem Mailbox.**



IFW

DAC

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Ju-Long LEE, et al. )  
Serial No.: 10/735,803 ) Group: 2871  
Filing Date: December 12, 2003 ) Examiner: unknown  
                                 (as amended) ) Our ref.: B-5325 621558-0  
For: "REPAIR METHOD FOR DEFECTS IN )  
      DATA LINES AND FLAT PANEL )  
      DISPLAY INCORPORATING THE ) Date: May 10, 2004  
      SAME" )

MAIL STOP PETITION  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

PETITION UNDER 37 C.F.R. § 1.10

The subject application was submitted pursuant to the Express Mail Procedure of 37 CFR 1.10. The application was deposited with the United States Postal Service (USPS) in an Express Mail envelope with sufficient postage for Express Mailing on December 12, 2003 pursuant to 37 CFR 1.10, but the returned postcard and official filing receipt (copies enclosed) indicate that the United States Patent and Trademark Office (USPTO) considered the filing date to be December 11, 2003.

Enclosed is a copy of the new application transmittal letter from our files. The new application transmittal letter contains a Certification of Express Mailing Date under 37 CFR 1.10 and proper reference to Express Mail Label Number EV301024655US as required by Section 1.10. This information is also contained in the files of the United States Patent and Trademark Office.

Suzanne Johnston, the person mailing the papers pursuant to 37 CFR 1.10, has signed a verified statement that the new application was

Petition Under 37 C.F.R. 1.10  
U.S. Patent Appln. No. 10/735,803  
Page 2

deposited with the USPS in an Express Mail envelope with sufficient postage for Express Mailing on December 12, 2003. The signed verified statement signed by Suzanne Johnston is attached.

Also enclosed herewith is a copy of the Express Mail Label Number EV301024655US returned from the USPS showing the "date-in" to be December 12, 2003, as well as a receipt from the USPS showing the date of acceptance of the Express Mail Label Number EV301024655US to be December 12, 2003.

Applicant has complied with the requirements of 37 CFR 1.10 and is entitled to a filing date of December 12, 2003. Therefore, please update all of the records in the USPTO to indicate that the filing date of the above-identified application December 12, 2003; and please advise us in writing that the USPTO considers

December 12, 2003

to be the filing date of the above-identified U.S. application.

This correction is not due to any error by the Applicant; therefore, no official fee should be due. The Commissioner is

Petition Under 37 C.F.R. 1.10  
U.S. Patent Appln. No. 10/735,803  
Page 3

authorized to charge any additional fees which may be required or credit overpayment to deposit account no. 12-0415.



Respectfully submitted,

A handwritten signature in black ink, appearing to read "Ross A. Schmitt".

Ross A. Schmitt  
Reg. No. 42,529  
Attorney for Applicant  
LADAS & PARRY  
5670 Wilshire Boulevard, #2100  
Los Angeles, California 90036  
(323) 934-2300

Enclosures: copy of returned postcard  
copy of official filing receipt  
copy of new application transmittal letter  
Verified statement signed by Suzanne Johnston  
copy of Express Mail label and USPS receipt

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first-class mail in an envelope addressed to:

MAIL STOP PETITION  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450, on  
May 10, 2004

By: A handwritten signature in black ink, appearing to read "Katherine Nieva".  
Katherine Nieva



To: ~~17497 U.S.P.D. (S)~~  
**FROM: COMMISSIONER OF THE PATENTS**  
THE PATENT AND TRADEMARK OFFICE  
MAIL ROOM STAMP HEREON ACKNOWLEDGES  
RECEIPT OF: New U.S. Patent Appln., consisting of  
Transmittal letter with Certification under 37 CFR 1.10  
3 pages; check no. 18149 in the amount of \$806.00;  
17 pages of Specification, 5 pages of Claims,  
1 page of Abstract; Declaration (4 pages); 16 Sheets of formal drawings (Figs. 1-3,  
4A-4B, 5, 6A-6B, 7, 8A-8B, 9, 10A-10B, 11, 12A-12B, 13, 14A-14B, 15, 16); Claim  
to Priority (1 page) with Certified Copy of Taiwanese Appln. No. 92103274;  
Assignment Cover Sheet (1 page), Assignment document (1 page), and Check No.  
18150 for \$40.00; and this  
postcard.

Our reference:  
**B-5325 621558-0**

Date mailed:  
**December 12, 2003**

Express Mail No.:  
**EV301024655US**

IN CONNECTION WITH:  
Ju-Long LEE, et al.

**STAMP**

17497 U.S. PTO  
**10/735803**

FOR: "REPAIR METHOD FOR DEFECTS IN  
DATA LINES AND FLAT PANEL DISPLAY  
INCORPORATING THE SAME"



121103  
12/12/03



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

JT

APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY.DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/735,803	12/11/2003 12/12/2003	2871	806	B-5325 621558-0	16	22	3

CONFIRMATION NO. 3872

Richard P. Berg, Esq.  
c/o LADAS & PARRY  
Suite 2100  
5670 Wilshire Boulevard  
Los Angeles, CA 90036-5679

## FILING RECEIPT



\*OC000000012171487\*

Date Mailed: 03/25/2004

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

**Applicant(s)**

Ju-Long Lee, Hsinchu, TAIWAN;  
Yi-Hsiang Lin, Taipei, TAIWAN;

**Assignment For Published Patent Application**

AU Optronics Corp.;

**Domestic Priority data as claimed by applicant****Foreign Applications**

TAIWAN 92103274 02/18/2003

If Required, Foreign Filing License Granted: 03/23/2004

Projected Publication Date: 08/19/2004

Non-Publication Request: No

Early Publication Request: No

**Title**

Repair method for defects in data lines and flat panel display incorporating the same

**Preliminary Class**

349

---

**LICENSE FOR FOREIGN FILING UNDER  
Title 35, United States Code, Section 184  
Title 37, Code of Federal Regulations, 5.11 & 5.15**

**GRANTED**

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

**NOT GRANTED**

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s): Ju-Long LEE, et al. )  
Serial No.: 10/735,803 ) Group: 2871  
Filing Date: December 12, 2003 ) Examiner: unknown  
                                 (as amended) )  
For: "REPAIR METHOD FOR DEFECTS IN )  
      DATA LINES AND FLAT PANEL )  
      DISPLAY INCORPORATING THE )  
      SAME" ) Date: May 10, 2004

MAIL STOP PETITION  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**VERIFICATION**

I am the person who mailed the above-identified application pursuant to 37 CFR. 1.10 on December 12, 2003; and I verify that the subject application with all of the items required under 35 U.S.C. 371 were deposited with the United States Postal Service in an Express Mail envelope with sufficient postage for Express Mailing on December 12, 2003.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Date: May 10, 2004

Suzanne Johnston

## Customer Copy

Label 11-F June 2002



EV 301024655 US

## ORIGIN (POSTAL USE ONLY)

PO ZIP Code	Day of Delivery	Flat Rate Envelope
	<input type="checkbox"/> Next Day	<input type="checkbox"/> Second Day
Date In (MM/DD/YY)	Postage \$ 21.05	
Mo. Day Year	<input checked="" type="checkbox"/> 12 Noon <input type="checkbox"/> 3 PM	
Time In	Military	Return Receipt Fee
<input type="checkbox"/> AM	<input type="checkbox"/> PM	<input type="checkbox"/> 2nd Day <input type="checkbox"/> 3rd Day
Weight	Int'l Alpha Country Code	COD Fee
lbs.	ozs.	Insurance Fee
No Delivery	Acceptance Clerk Initials	Total Postage & Fees \$ 21.05
<input type="checkbox"/> Weekend	<input type="checkbox"/> Holiday	

## CUSTOMER USE ONLY

## METHOD OF PAYMENT:

Express Mail Corporate Acct. No.

FROM: (PLEASE PRINT)

PHONE ( ) - 323 934 2300

LAGAS & PARRY  
5670 WILSHIRE BLVD STE 2100  
LOS ANGELES CA 90036-5620  
B-5324 621557-2  
B-5325 621558-0

/sjj

PRESS HARD.

You are making 3 copies. FOR PICKUP OR TRACKING CALL 1-800-222-1811 www.usps.com



UNITED STATES POSTAL SERVICE®

Post Office To Addressee

## DELIVERY (POSTAL USE ONLY)

Delivery Attempt	Time	Employee Signature
Mo. Day	<input type="checkbox"/> AM <input type="checkbox"/> PM	
Delivery Attempt	Time	Employee Signature
Mo. Day	<input type="checkbox"/> AM <input type="checkbox"/> PM	
Delivery Date	Time	Employee Signature
Mo. Day	<input type="checkbox"/> AM <input type="checkbox"/> PM	

WAIVER OF SIGNATURE (Domestic Only) Additional merchandise insurance is void if waiver of signature is requested. I wish delivery to be made without obtain signature of addressee or card reader. I understand delivery employee judges that article can be left in secure location and that absence of delivery employee's signature constitutes valid proof of delivery.

NO DELIVERY  Weekend  Holiday  Custom Signature

Federal Agency Acct. No. or

Postal Service Acct. No.

TO: (PLEASE PRINT)

PHONE ( )

MAIL STOP PATENT APPLICATIONS  
COMMISSIONER FOR PATENTS  
PO BOX 1450  
ALEXANDRIA VA 22313-1450



BICENTENNIAL STATION  
LOS ANGELES, California  
900489998  
0545300048-0096  
12/12/2003 (323)933-5953 05:49:11 PM

Product Description	Sale Qty	Unit Price	Final Price
ALEXANDRIA VA 22313			\$17.85
Express Mail PO-ADD			
Serial Number	EV301024664US		
2nd Delivery Day	Noon /		
Normal Delivery			
Customer Postage			-\$17.85
Subtotal:			\$0.00
ALEXANDRIA VA 22313			\$17.85
Express Mail PO-ADD			
Serial Number	EV301025214US		
2nd Delivery Day	Noon /		
Normal Delivery			
Customer Postage			-\$17.85
Subtotal:			\$0.00
ALEXANDRIA VA 22313			\$17.85
Express Mail PO-ADD			
Serial Number	EV336608860US		
2nd Delivery Day	Noon /		
Normal Delivery			
Customer Postage			-\$17.85
Subtotal:			\$0.00
ALEXANDRIA VA 22313			\$21.05
Express Mail PO-ADD			
Serial Number	EV301024655US		
2nd Delivery Day	Noon /		
Normal Delivery			
Customer Postage			-\$21.05
Subtotal:			\$0.00
ALEXANDRIA VA 22313			\$17.85
Express Mail PO-ADD			
Serial Number	EV301025996US		
2nd Delivery Day	Noon /		
Normal Delivery			
Customer Postage			-\$17.85
Subtotal:			\$0.00
Total:			<u><u>\$0.00</u></u>

Paid by:

Bill#: 1000401477798

Clerk: 31

— All sales final on stamps and postage. —  
Refunds for guaranteed services only.  
Thank you for your business.  
Customer Copy

Express Mail Number: EV301024655US

Docket No. B-5325 621558-0

MAIL STOP PATENT APPLICATION  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450



Date: December 12, 2003

Sir:

NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of

Inventor(s): (1) Ju-Long LEE (2) Yi-Hsiang LIN

NOTE: Patent must be applied for in the name of all  
of the actual inventor or inventors.

For: "REPAIR METHOD FOR DEFECTS IN DATA LINES AND FLAT PANEL DISPLAY  
INCORPORATING THE SAME"

Enclosed are:

1. The Papers Required For Filing Date Under 37 CFR 1.53(b):

17 Pages of specification 1 Page of abstract 5 Pages of claims

16 Sheets of drawings [X] formal [ ] informal  
(Figs. 1-3, 4A-4B, 5, 6A-6B, 7, 8A-8B, 9, 10A-10B, 11,  
12A-12B, 13, 14A-14B, 15, 16)

[X] In addition to the above papers there is also attached

[ ] \_\_\_\_ Pages of a Preliminary Amendment dated \_\_\_\_\_

- [X] Postcard  
[X] Check for filing fee in the amount of \$806.00  
[X] Declaration/Power of Attorney (4 pages)  
[ ] Verified Statement Claiming Small Entity Status--  
Small-Business Concern (1 page)  
[X] Claim to Priority (1 page) with  
[X] Certified Copy of Taiwanese Application No. 92103274  
[ ] Information Disclosure Statement (2 pages) and  
Form PTO-1449 (modified) (1 page) with  
copies of documents cited in Form PTO-1449 (modified)  
[X] Assignment Cover Sheet (1 page), Assignment document (1 page),  
and Check for \$40.00

CERTIFICATION UNDER 37 CFR 1.10

I hereby certify that this paper and the documents referred to as enclosed  
herein are being deposited with the United States Postal Service in an Express  
mail envelope with sufficient postage for Express Mailing on this date December  
2, 2003 in an envelope as "Express Mail Post Office to Addressee" Mailing Label  
number EV301024655US addressed to the:

MAIL STOP PATENT APPLICATION  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Suzanne Johnston  
(Typed or printed name of person mailing paper)

Suzanne Johnston  
(Signature of person mailing paper)

NOTE: Each paper or fee referred to as enclosed herein  
has the number of the "Express Mail" mailing label  
placed thereon prior to mailing. 37 CFR 1.10(b).

**2. Declaration or oath**

[X] Enclosed



[X] original

[ ] facsimile

[ ] Executed by:

[X] Inventor(s)

[ ] legal representative of inventor(s) 37 CFR 1.42 or 1.43

[ ] joint inventor or person showing a proprietary interest on behalf of inventor who refused to sign or cannot be reached. 37 CFR 1.47.

[ ] petition and statement required by 37 CFR 1.47 also attached. See item 7 below for fee.

[ ] Not Enclosed

[ ] Application is made by a person authorized under 37 CFR 1.41(c) on behalf of all of the above named inventor(s). The declaration or oath, along with the surcharge required by 37 CFR 1.16(e) can be filed subsequently.

[ ] Showing that the filing is authorized. (Not required unless called into question. 37 CFR 1.41(d)).

NOTE: Where the filing is a completion in the U.S. of an international application under 35 U.S.C. 371(c)(4) then the declaration must be filed.

**3. Assignment**

[X] An assignment of the invention to AU Optronics Corp.  
(with separate cover sheet and separate check for \$40.00)

**4. Certified Copies**

[X] A Certified copy of Taiwanese Application No. 92103274  
from which priority is claimed.

NOTE: Must be referred to in oath or declaration. 37 CFR 1.55 and 163.

**5. Fee Calculation**

CLAIMS	AS FILED		
Number Filed	Number Extra	Rate	Basic Fee
Total Claims	22 -20=	\$ 18.00	\$ 36.00
Independent Claims	3 -3=	\$ 86.00	0
Multiple Dependent Claim(s), If Any	0 x	\$290.00	0

[ ] Amendment canceling extra claims enclosed

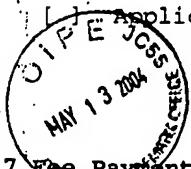
[ ] Amendment deleting multiple dependencies enclosed

[ ] Fee for extra claims is not being paid at this time

NOTE: If the fee for extra claims are not paid on filing they must be paid or the claims canceled by amendment, prior to the expiration of the time period set for response by the Patent and Trademark Office in any notice of fee deficiency, 37 CFR 1.16(d).

Filing Fee Calculation \$ 806.00

**6. Small Entity Statement**



Applicants claim small entity status

Filing Fee Calculation (50% of above) \$ \_\_\_\_\_

**7. Fee Payment Being Made At This Time**

[ ] Not Enclosed

[ ] No filing fee is submitted. This and the surcharge required by 37 CFR 1.16(e) can be paid subsequently.

NOTE: Where the filing is a completion in the U.S. of an international application the fee must be paid.

[X] Enclosed

[X] filing fee \$ 806.00

[ ] recording assignment (\$40.00; 37 CFR 1.21(h)(i)) \$ \_\_\_\_\_

[ ] petition fee for filing by other than all the inventors or person on behalf of the inventor where inventor refused to sign or cannot be reached.  
37 CFR 1.47 and 1.17 (h) \$ \_\_\_\_\_

Total fees enclosed \$ 806.00

**8. Method of Payment of Fees**

[X] check in the amount of \$ 806.00

[ ] charge account No. 12-0415 in the amount of \$ \_\_\_\_\_  
A duplicate of this transmittal is attached.

NOTE: Fees should be itemized in such a manner that it is clear for which purpose the fees are paid. 37 CFR 1.22(b).

**9. Authorization to Charge Additional fees**

[X] The Commissioner is hereby authorized to charge the following additional fees which may be required to Account No. 12-0415:

[X] 37 CFR 1.16 (filing fees and presentation of extra claims)

[X] 37 CFR 1.17 (application processing fees)

[ ] 37 CFR 1.18 (issue fee at or before Mailing of Notice of Allowance, pursuant to 37 CFR 1.311(b))

NOTE: 37 CFR 1.28(b) requires "Notification of any change in loss of entitlement to small entity status must be filed in the application...prior to paying... issue fee".

**10. Instructions As To Overpayment**

[X] Credit Account No. 12-0415 [ ] refund

c/o LADAS & PARRY  
5670 Wilshire Boulevard  
Suite 2100  
Los Angeles, California 90036-5679

Telephone: (323) 934-2300  
Telefax: (323) 934-0202

  
Richard P. Berg  
Attorney  
Reg. No. 28,145